

IOWA GYRATORY MIX DESIGN (SuperPave) FOR LOCAL AGENCIES

**IMPLEMENTATION BULLETIN #1
May 2000**

This is the first in a series of bulletins to be issued by the Implementation Team. It is the intent of the Implementation Plan to successfully apply Gyratory Mix Design Technology for all future asphalt paving in Iowa. This Implementation Plan will allow local agencies to continue to utilize their existing aggregates under Gyratory Mix Design criteria. Minor adjustments to local mixtures may be necessary; however, it is the intent of the implementation evaluation to NOT have a significant impact on the current local agency asphalt programs.

Following the distribution of the October, 1999 Implementation Plan, the full implementation of designs using gyratory compaction criteria for the entire state of Iowa is now targeted for construction season 2004. The extension of the implementation date will allow Local Agencies to develop pilot projects for 2002 and 2003 construction. Individual activities in the Action Plan are underway, but some changes in target dates have been made due to changes in committee representation. This change does not alter the evaluation processes outlined in the Implementation Plan. Committee members represent the Iowa DOT, the Asphalt Paving Industry, Counties and Cities.

This year's training programs are being upgraded in preparation for the winter 2000-2001 training season. Agency and industry representatives are encouraged to take advantage of the free training sessions that will be held state-wide. The Implementation Team is developing an electronic communication format through the Iowa DOT web site and the Iowa County Engineers Association Service Bureau web site. Agency engineers and administrators are encouraged to check these sites for SuperPave projects being constructed in their geographic area. For information on SuperPave training contact Mike Heitzman at the Iowa DOT at (515) 239-1003.

The committee is ready to accept gyratory test data from 1999 and 2000 Marshall projects from cities and counties. Please refer to SuperPave Bulletin #2 for the data requirements for this mixture evaluation. The gyratory evaluation of currently used Marshall mixtures is the key component of the Implementation Plan. Industry and Agency attention and effort to this activity is essential for a successful implementation of gyratory technology for low volume routes. If you have any questions about this process contact John Hinrichsen at the Iowa DOT at (515) 239-1601.

So far the Implementation Team has received a small amount of Gyratory test information from the following counties: Black Hawk, Buchanan, Bremer, Humboldt, Fremont, Dubuque, Webster, Carroll, Hamilton, Dickinson, Page, Dallas, Cedar, Madison, Lyon, and Clayton. (Data from the District Materials Labs and from asphalt contractors for samples that have been evaluated is not included in this list.) To make sure that your asphalt mixes are represented in the test data that is evaluated, we encourage you to submit your materials to your DOT District Materials Lab or asphalt project contractor for testing. A broad representation of mixtures statewide will ensure that the technology can be implemented with minimal impact to the local agencies' asphalt programs. If your local agency has no asphalt construction scheduled for this season, but you want to make sure that your area is represented, mix design materials from 1993 to the present can be evaluated. Work with your District Materials lab for instruction and assistance in obtaining representative samples of the aggregates to be evaluated.

The Implementation Committee will be preparing reports on constructability and cost of SuperPave projects being done by Local Agencies during Construction Season 2000. This will be accomplished by gathering data and conducting personal interviews at construction sites. Members of the committee may be visiting your projects under construction and would appreciate your cooperation in this effort. Contact Ed Engle at the Iowa DOT at (515) 239-1382 with information on the progress of SuperPave projects in your area.

If you desire more information about this Implementation Plan please contact Mike Heitzman at the Iowa DOT at (515) 239-1003.